IN THE CLAIMS:

Please cancel claims 1 and 3 without prejudice.

Please add new claim 5 as follows:

5. (New) An AC servo motor comprising:

a stator-side iron core having a plurality of slots; and

a rotor comprising an annular polar anisotropic magnet that is split into two or more annular polar anisotropic magnets in an axial line direction thereof,

wherein a cogging torque is minimized by

determining a number of torque ripples per rotation of the rotor based on the number of magnetic poles of the annular polar anisotropic magnet and the number of slots in the stator-side iron core,

calculating a skew angle θ based on the number of torque ripples,

determining an angle θ' by adding to the skew angle θ a value which accounts for magnetic interference occurring at the boundary between the split annular polar anisotropic magnets, and

shifting the magnetic poles of the corresponding split annular polar anisotropic magnets by the predetermined angle θ'.

Please amend claims 2 and 4 to the following:

2. (Amended) An AC servomotor according to Claim 5, wherein the skew angle θ is equal to half the period of a cogging torque which is determined based on the number of torque ripples per rotation of the rotor determined by the number of magnetic poles of the annular polar anisotropic magnet and the number of slots in the stator-side iron core.

4. (Amended) An AC servomotor according to Claim 5, wherein the predetermined angle θ' is approximately 4/3 times the skew angle θ which corresponds to half the period of a cogging torque determined based on the number of torque ripples per rotation of the rotor determined by the number of magnetic poles of the annular polar anisotropic magnet and the number of slots in the stator-side iron core.